

FOLIO

22 NOVEMBER 1990

Teaching quality deteriorating at larger universities — Stuart Smith



Oh, to be an "Aggie" on such a bright, sunny day, with nothin' better to do than ride. Last Thursday, you guessed it, the Aggies took to the Quad.

Mature students want more resources

Mature students say the University of Alberta has to pay more attention to their needs and come up with more resources to combat a lack of progress on providing services for mature students.

At a mature students' forum 14 November, Mature Undergraduate and Graduate Students' Society (MUGS) member Anatol Scott said it's time the University had a mature students' centre. Such a centre, he said, could house a counsellor and an emergency child care facility.

Scott challenged the Students' Union to put up funding for the centre and the University to match those funds.

Students' Union President Suresh Mustapha said, "Our organization [the Students' Union] has failed mature students in some respects. For the past several years we've ignored the existence of mature students," he said, suggesting that mature students may have to become much more active in the decisionmaking process.

According to a brief submitted

to Dean of Student Services Peter Miller by MUGS representatives, economic constraints over the past few years can partially explain the

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It has become abundantly clear that at the smaller Canadian universities, research has suffered over the past decade, but the quality of teaching has remained good, says Stuart Smith.

The Chair of the Association of Universities and Colleges of Canada's Commission of Inquiry on Canadian University Education said what is also clear is that the larger, research universities have let teaching quality slip rather badly.

MEDIOCRE RESEARCHERS SPEND ALL THEIR TIME CHASING GRANTS.

Dr Smith, who convened a hearing in Edmonton 8 November, said teaching at the larger, research-oriented universities is being handed down to people with no real status or experience. He said the commonly heard view that researchers must do research to be good teachers and to keep up to date in their field has "become a kind of religion."

"Mediocre researchers spend all of their time chasing grants because they believe it's the only way to advance their careers and get promoted," he said. "We're definitely seeing disequilibrium."

"Fifteen years ago, this wasn't a problem. As faculty members, we expected contact with our students," said Dr Smith, who was for eight years a professor of psychiatry at McMaster University's Medical School. He said back then faculty members considered themselves to be first and foremost members of teaching institutes.

"Now faculty members [in larger research-oriented universities] primarily define themselves as researchers."

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INSIDE

- Quality of undergraduate education is slipping: U of L President
- University Farm under new management
- Traffic safety research project requires team approach

Tennant says undergraduate education is slipping

The quality of undergraduate education in Canada is slipping rather badly, the University of Lethbridge's President told the Commission of Inquiry on Canadian University Education 8 November.

Howard Tennant said classes at many of the country's larger universities are simply too large, and it is impossible for students to receive quality feedback from professors in classes in excess of 35 or 40 students.

Lauding the Association of Universities and Colleges of Canada's establishment of the Commission of Inquiry, Dr Tennant said the process of inquiry is really important and must focus on the deterioration of quality undergraduate programming.

He said the expansion of research at the larger, research-oriented universities has taken place at the expense of quality undergraduate education. He pointed out that students in the province no longer take four years to finish an undergraduate degree; rather, they now take closer to five years.

Dr Tennant questioned whether it needs to take so long from the time a high school graduate enters an undergraduate program to the completion of a PhD. This is one of the longest periods in the Western world, he said.

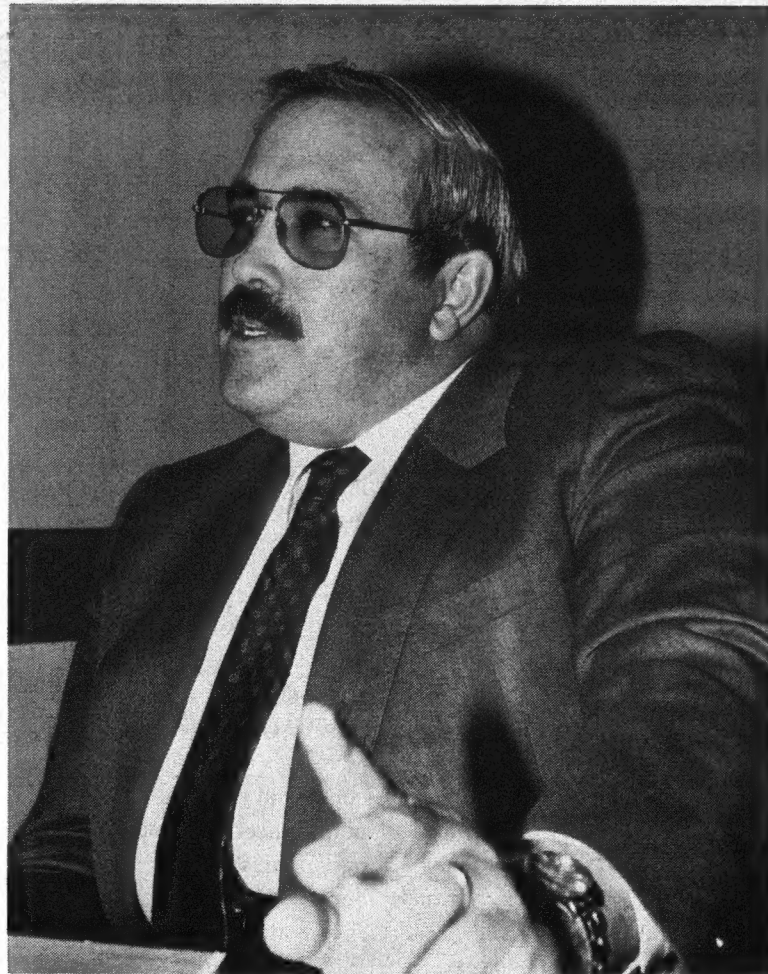
Commission Chair Stuart Smith agreed with Dr Tennant that the quality of undergraduate education is indeed deteriorating at the larger, research-oriented universities.

He pointed out, however, that the Commission has consistently heard from the smaller undergraduate colleges and universities across the country that undergraduate teaching has remained strong at those institutions. He added that in tight financial times, the larger institu-

tions are struggling to maintain research activities.

"But the students don't seem to count at all [at these institutions], and they're not even in the equation," Dr Smith responded.

University of Lethbridge officials said Canadians have to get over the notion that "bigger is better" when it comes to providing university education. They drew attention to the fact that people in the United States who can afford to do so, send their children to the smaller, liberal arts colleges because they know the quality of undergraduate programming will be first rate.



University of Lethbridge President Howard Tennant

Teaching

The former Chair of the Science Council of Canada said most of the larger universities don't have decent systems of teaching evaluation that are taken seriously.

Franco Pasutto (Pharmacy), a co-presenter of the U of A's brief to the Commission, said the people serving on faculty salaries and promotions committees are people who, by and large, have active research programs. The issue of teaching being perceived as secondary is a reality at the faculty salaries and promotions level.

Dr Pasutto said, "I'm not sure it follows that active research is immediately translated into up-to-date lectures. I know a lot of people with extremely active research programs and yet their

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lectures are 20 years out of date. The reason is that they focus their attention on research."

Dr Smith said an often heard contention is that it is so difficult to measure teaching. "What nonsense!" He said that most universities don't have decent evaluation procedures for teaching. It may be time for the larger universities to take the issue of teaching quality more seriously, Dr Smith suggested.

He told the hearing that in coming to grips with the problems, "the issues of autonomy and accountability will remain uppermost in my mind. We have to make sure that accountability is dealt with by our own people; we don't want the heavy hand of government involved."

Nominations invited for Rutherford Teaching Award

The GFC Undergraduate Teaching Awards Committee (UTAC) reminds the University community that nominations are now being sought for the annual Rutherford Award for Excellence in Undergraduate Teaching.

The purpose of the Rutherford Award is to recognize excellent teaching, to publicize such excellence to the University and the wider community, to encourage the pursuit of excellence in teaching, and to promote informed discussion of teaching and its improvement at the University of Alberta.

Nominations are made by Faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those Faculties. Nominations

should be made through a Faculty committee and submitted by the Faculty to the Secretary of UTAC, 2-5 University Hall. Anyone who needs assistance and advice in preparing nominations should contact Ms Bente Roed, Coordinator, Office of the Committee for the Improvement of Teaching and Learning (CITL) (492-2826). The deadline for receipt of award nominations is 15 February 1991. In most cases, individual Faculties have established earlier deadlines to allow for internal adjudication procedures.

At least one award, but not more than four, is given annually. The award recipients are publicly recognized at a special occasion and Convocation. They also receive a memento and a cash prize of \$2,500.

Students

Continued from page 1

lack of progress on concerns and basic needs of mature students.

However, they point out that the Senate investigated mature students' concerns in 1983. "A report was issued which highlighted some of these concerns and which made strong recommendations toward improving the quality of life for these students.

"In 1985, a followup to this earlier report was issued which confirmed that very little had been done for mature students in the intervening two years. Since then, there has been a deterioration in the situation while the percentage of the mature student population continued to increase," the brief states.

Mature students say the brief is their way of putting the issues back on the front burner. They want an investigation of the mature student situation beginning with the problems mature students encounter before being admitted, as well as the institutional, academic and personal problems encountered in the University.

In renewing their call for a mature students' centre, MUGS representatives suggested it could house a coffee house/lounge, study hall, emergency child care facility, office for the Mature Undergraduate and Graduate Students' Society, space for social activities, a library for documenting other mature student organizations' activities, and a facility for producing a newsletter.

The centre, with the assistance of a coordinator, could provide services such as: counselling, study skills, preadmission orientation, student loans and appeals advice, referrals and various workshops.

Lois Stanford, Vice-President (Student and Academic Services), told the gathering of more than 60 mature students that she has

learned from mature students that most people in teaching and administration expect students to be young. "When they find you're not and you're making demands, there may be some resentment." She also said mature students present challenges and in some cases are considered a threat.

Mature students, Dr Stanford advised, have to keep in mind that they're not part of the mold when they're approaching administrators and professors with problems that have to be solved together. She said mature students should find someone with a permanent position, perhaps in the professoriate, who would represent their interests.

Dr Stanford, a long-time advocate of quality child care facilities on campus, said she agreed that more child care is needed. She said every advance made over the years can be traced to groups who felt strongly about the needs and went out and fought for more child care. "I think you'll have to do the same thing."

Dr Miller pointed out that MUGS has had a checkered history, active one year and inactive the next, depending on the people who are involved in the organization. MUGS, in his opinion, has not been a particularly effective lobby group over the years.

He said mature students as a group have never been clearly defined; many different groups exist within the mature student body.

The University hasn't been very good at listening to mature students' concerns, but the forum constituted a good starting point, Dr Miller said.

Mustapha said it may be time for the student council to add mature students to its membership.



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Well-being field in adolescent stage

The whole idea of wellness health promotion and well-being is "experiencing an adolescent identity crisis," says David Emmerling, Executive Director of the National Wellness Institute in Stevens Point, Wisconsin.

Addressing the Well-Being for the Future: Choices and Challenges Conference held in Edmonton last week, Emmerling said people in the well-being field are confronting questions such as: What is our identity? What are our boundaries? Is this idea of wellness or well-being too broad a concept? Do we have theory that will translate into practice that will make it usable?

Emmerling explained that there are six primary dimensions of wellness: physical, emotional, intellectual, occupational, spiritual and social. He said looking around the world, there is very little being said about wellness and well-being, for example, in countries such as Britain. "Most of the emphasis is fairly rigidly in the physical fitness areas and some in health risk reduction.

"In Japan there is an incredible fitness craze going on, and it's being followed fairly quickly by the [introduction of the] broader concept of well-being."

Emmerling said the focus, though, in many countries still is primarily on fitness and health risk reduction.

He pointed out, "It was the introduction of the social-environmental dimension that . . . asked us to look at the individual in the context of community, neighborhood, city-state, nation, friends, family and ultimately the environment."

The challenge for well-being advocates is to maintain that contextual focus, he said. "Economic uncertainty has provided an opportunity for us to more clearly define our agenda," Emmerling said, noting the increasing health care cost societies have to bear.

And, he pointed out, the well-being movement, at least in the United States, has been primarily occurring among healthy, upper middle-class, educated caucasians. "We have a major

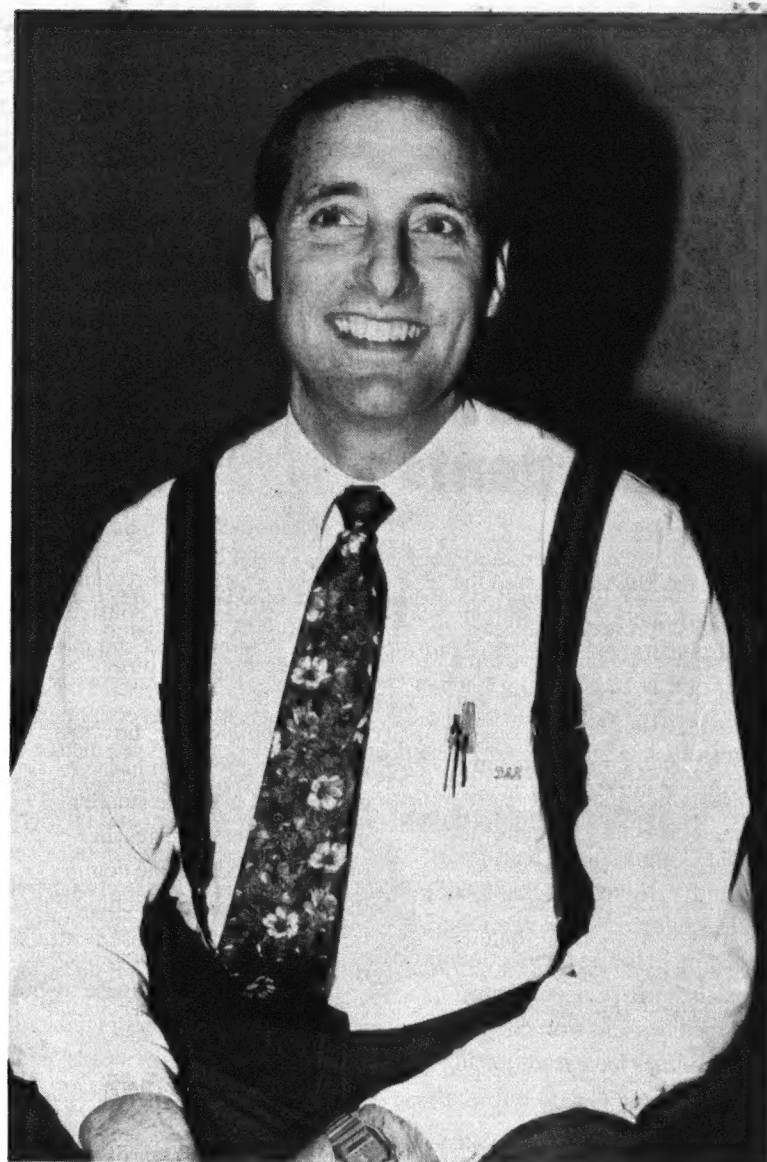
challenge in the US in dealing with what we call generically underserved populations, people of low socioeconomic status and minorities."

The internationally known author and speaker on well-being said that as societies emphasize the importance of the well-being of individuals, "it is ultimately absurd to look at them with blinders on and not in the same breath emphasize the well-being of the planet.

"How absurd is it to send well people into an unwell world?"

He said the achievement of well-being is "an active process of becoming aware of and making choices resulting in a more successful existence." All the data and concepts are for naught, if individuals aren't moved to make these conscious lifestyle decisions, he said.

Emmerling was the keynote speaker at the conference, attended by well-being advocates from across the province.



David Emmerling, Executive Director of the National Wellness Institute.

'90s will be period of change, Warrack

The University of Alberta must embrace new ideas and opportunities the 1990s will bring, or risk "publicly-enforced university meltdown," similar to the British experience, Vice-President (Administration) Allan Warrack said in his Report to Convocation 15 November.

"Surely, we have the collective will and wit to forestall any need for negative approaches," he told graduands. "The most important thing is not where we

our publics. We must tell our positive stories, the media will take care of the negative ones. If we and our University friends do not tell the positive side, who will?" he asked.

Citing his office's recently commissioned study on the "Community Impact of the University of Alberta," Dr Warrack said the University is the city's third largest employer and has an "enormous economic impact on our city and province.

"WE AT THE U OF A HAVE OUR 'WARTS', AND NEED TO MAKE DYNAMIC CHANGES, BUT WE ARE BETTER THAN WE ARE PERCEIVED BY SOME OF OUR PUBLICS."

are, but in what direction we are moving.

"In the 1990s we must 'plan the work, and work the plan' ... recognizing that future planning is not about future decisions, it is about the future of today's decisions."

Dr Warrack, who in December will be completing his five-year term as Vice-President, said: "Our first order of business is to 'make peace' with the public. If we are okay with the public, we will be okay with the government, regardless of its partisan stripe.

"We at the U of A have our 'warts', and need to make dynamic changes, but we are better than we are perceived by some of

"The direct economic activities trigger even larger 'echo' effects that are positive and substantial," he said, adding that for every dollar of University direct economic activity, there is a positive echo/multiplier impact of at least another dollar.

He said it was important to remember the stability the University brings to the city and provincial economy. Not only does the University provide a myriad of economic spinoffs, but it also provides opportunities for business and the community to collaborate with the University in many different ways, Dr Warrack said.

"Beyond economic impact, members of the University family



Allan Warrack

are essential volunteers for the good of the wider community. Voluntary social, cultural and artistic community roles are played and led by University people in their private lives."

Universities reluctant to change

Too often Canadian universities, which should be leading institutions in terms of their ability to anticipate change and help us find ways not only to cope with it but to thrive in it, are instead among the most resistant to change of all our institutions.

This has got to stop, Don Lussier, Vice-President Finance and Administration of Athabasca University, told the Commission of Inquiry on Canadian University Education 8 November.

Lussier said educational services have to begin responding to lifelong learning needs of students. Education, he stressed, has to become more accessible, more responsive to special and individual needs, more cost effective and efficient and more immediate and relevant.

Explaining that 80 percent of Athabasca University's students learn in a homestudy environment, Lussier said, "I firmly believe that the Canadian university community has a lot to learn from the Athabasca University example, both its successes and problems."

Lussier said the past period of intense enrollment pressures and tightening budgets may finally have taught universities that "it is highly unlikely that we will soon again enjoy the affluence and protection from direct accountability that has characterized earlier decades. The universities themselves have to take charge in resolving their own concerns."

He predicted that the competition for faculty will ensure that new ideas are injected into the system. There will also be challenges to the way things have been done on university campuses.

In Lussier's view, the Athabasca example could serve as a model for other institutions on a number of issues: turnaround time for the delivery of services; student support beyond the classroom; the use of instructional technology; cooperation among educational institutions; and the need to have students take more responsibility for their own education.

Acknowledging that "open admission-style universities" haven't been as successful in attracting underrepresented groups to university-level instruction, Lussier said, "To claim great success in this area would be misleading, however, and it is evident that the challenge of attracting underenrolled groups is a complex and yet critical challenge, one which has many parallels with the issue of employment equity on our campuses."

Commission Chair Stuart Smith said it seemed that Athabasca University was suggesting that programs can be delivered cost effectively, the university can be client-oriented and the quality of programming can still be good.

"You're the very antithesis of what universities stand for. There are no ivy-covered halls. You're a bunch of heretics," he joked.

Consider stakeholders when setting educational policy, say students

Two PhD students in the Department of Educational Administration urged the Commission of Inquiry on Canadian University Education to take a fresh look at participation related issues at universities.

Rita Egan and Judith Hughes told Commission Chair Stuart Smith 8 November that there's clear evidence to suggest that people in lower socioeconomic groups, native people, rural Canadians and women in some disciplines have traditionally been underrepresented in university-level education.

All universities did in the 1960s, said Egan, was create more spaces for a particular group. They never did attempt to welcome underrepresented groups. She said it's time to redefine what a university student is and broaden the representation at Canadian universities.

The two students outlined a

number of policy directions for the Commission to consider in its report. Competition and meritocracy should be de-emphasized, they suggested, and economic imperatives should not dictate education policy making. Departments of Education and Higher Education should begin to harmonize policy directions.

They called for much more responsive educational institutions. For example, these institutions should be encouraged to seek out community needs, and social context and stakeholders should be considered much more comprehensively in setting policy.

They also suggested that the role of community colleges be more clearly defined, that teacher education program policy should consider social context as much as curriculum content, and that simple solutions implied by the equality-quality dichotomy should be resisted.

Take student teaching evaluations more seriously, U of C student urges

The Vice-President Academic of the University of Calgary's Students' Union made her pitch 8 November to the Commission of Inquiry on Canadian University Education on the merits of student evaluations on teaching and course guides.

Aisha Umar acknowledged that the concept of student evaluations of teachers and the publication of such information in a "course guide" has been a contentious issue for several years.

"There is, however, research that proves that student evaluations of teaching is an important form of evaluating a professor's teaching performance," she told Commission Chair Stuart Smith.

Umar said student evaluations should be campus-wide and must maintain consistency in their format and administration throughout each Faculty. "Furthermore, they should be published in a 'course guide' annually." General Faculties Councils should approve these in principle and strike standing committees to study the issues, she said.

"Student evaluations should be a part of a multifaceted evaluation system, which would include those done by peers, supervisors and the instructors themselves. These evaluations

must be followed up by feedback between the instructor and his/her supervisor."

Umar suggested that universities must set standard procedures for conducting evaluations and actively support policies and procedures for such programs. Evaluation processes must be thoroughly studied to assess their effectiveness.

Dr Smith asked whether student evaluations provided enough differentiation between good and bad teachers? Umar said even if student evaluations don't reveal great differences, there is, however, a big difference between a mid-60s percent rating and a mid-70s percent rating. "Give students some credit," she said.

Citing Herbert Marsh's extensive research on student evaluation of university teaching, Umar disputed the "simplistic bias hypothesis" which states that if instructors give high grades, demand little work, and agree to be evaluated, those instructors will be evaluated positively. "Marsh found that students differentiate their responses on more than global impressions; thus the biases have little effect," Umar argued.

Franco Pasutto (Pharmacy), who uses student evaluations and

finds them very effective, pointed out that an important issue is how the results are used. "You can look at individuals over a career period of 10 years and invariably find the same individuals obtaining teaching performances from students which are clearly inadequate. When you've had that many students assess the individual in that Faculty, there must be a problem. The difficulty is how you correct that problem.

"There's a misperception on the part of students that the faculty will correct the problems. In my experience, that does not happen," he said, and the faculty salaries and promotions process is not an effective way of correcting poor teaching.

He suggested students have to become much more involved to ensure that steps are taken to correct teaching problems. That will have to come from outside specific Faculties. "That may mean, for example, following a three- or four-year period of continuous poor student evaluations, an exterior panel made up of students and faculty members should sit down with the academic in a collegial atmosphere and ask 'is there a problem?' If there is, let's correct it."

Variety spices Strafford's workplace

Lorraine's Strafford's got the best of three worlds.

Appointed Director, Off Campus Research Resources, on 1 October, she says the position allows her to combine her knowledge of the University (she's been with the Dean of Agriculture and Forestry's Office for 17 years, the last two as Assistant Dean) with her (undergraduate student) background in animal science and degree in public management.

Strafford maintains an office on campus and another at the Edmonton Research Station (University Farm). Her predecessors were called farm managers; the new title reflects the fact that she's not managing a farm operation per se, but supervising seven units, each of which has its own manager and research manager.

"I've inherited a very able farm management team and so the transition process is going that much easier," Strafford told *Folio*.

The units are the dairy, swine, poultry and metabolic units at the Edmonton Research Station; the forage evaluation unit at Ellerslie; the Ministik Wildlife Research Station (near Tofield); and the Kinsella Ranch. Each of them supports the research component of the Faculty of Agriculture and Forestry and so the 30 permanent staff, assisted by casual, hourly and trust employees, balance farming practices with lab tests and measurements. It's this overlay of activities that is of particular interest to Strafford.

Chief among her duties are: assessing the reports of the unit managers, exploring technology transfer projects involving the Faculty and government and industry, and planning the different field days which are an Agriculture and Forestry tradition.

While the job is administrative in nature, Strafford isn't distancing herself from the action. She's visited a number of feedmills in



Lorraine Strafford has consolidated all aspects of her professional life.

southern Alberta because the feedmill at the Research Station has to be either repaired or replaced, appraised "Old Blue," the matriarch of the herd at

Ministik, and observed sample analysis procedures at the Edmonton Research Station.

There is one small occupational hazard. It's difficult to

know what clothing and footwear to wear because the setting can quickly change from office, to barn, to meeting room, to field to lab.

CURRENTS

GENERAL FACULTIES COUNCIL

GFC's next meeting is scheduled for **Monday, 26 November, at 2 pm** in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes
 - 2.1 Minutes of 29 October 1990
 - 2.2 Minutes of 19 November 1990
3. Oral Report from the President
4. Question Period
5. New Members of GFC 1990-91

Reports

6. Executive Committee Reports
 - 6.1 Summary of Executive Committee Minutes of 13 November 1990
7. Report of the Board of Governors of 5 November 1990
8. Report of the Nominating Committee
9. Report of the GFC Academic Development Committee (ADC)
10. Report of the GFC Facilities Development Committee (FDC)
11. Report of the GFC Planning and Priorities Committee (PPC)
12. Report of the University Research Policy Committee (URPC)

New Business

13. Code of Student Behavior: Proposal from the GFC Campus Law Review Committee (CLRC) Regarding
 - 1) Discrimination, and
 - 2) Appeal Provisions for Student Groups
14. Mid-fiscal Year Report on the 1990-91 Operating Budget
15. Operating Budget Principles, Policies and Procedures
16. GFC Committee on Admissions and Transfer (CAT): 1989-90 Annual Report
17. Citizenship and Residence of Undergraduate Students: Recommendations from the GFC Committee on Admissions and Transfer (CAT) and the GFC Academic Development Committee (ADC)
18. Waiver of Advertising: Report from the Vice-President
19. General Appeals Committee (GAC): 1989-90 Annual Report
20. Other Business

IMMIGRATION FORUM

As part of Alberta Immigration Week 1990 (26 November to 2 December), the University of Alberta will sponsor an Immigration Forum 29 November in the University Hall Council Chamber.

From 3 to 3:45 pm, internal University procedures relating to the recruitment and employment of international staff and to immigration policy concerning international students will be discussed. Canada Immigration and Employment Officers will then address campus community concerns on immigration issues. The forum is scheduled to end at 5 pm.

Gail Bamber (492-2796) is looking after registration.

FAREWELL RECEPTION FOR ALLAN WARRACK

Members of the University community are cordially invited to a reception Friday, 7 December, at 3:30 pm at University House, in honor of Allan and Jean Warrack. Dr Warrack is stepping down from his position as Vice-President (Administration) on 31 December. Friends and colleagues of the Warracks are invited to join President Davenport in giving the couple a good sendoff.

Those wishing to mark the occasion with a gift for the Warracks are invited to send contributions to Ellen Solomon at 2-1 University Hall. Cheques may be made payable to the Allan and Jean Warrack Gift Fund.

CHILDLESS?

Voluntarily childless couples are needed for a thesis study. If you and your spouse are willing to complete a brief, confidential, anonymous survey, please contact Rosemary Moulden at 492-5245.

A pitch on behalf of foreign students

A coherent, national policy governing how universities treat international students should be developed to replace the hodgepodge of provincial regulations, says a representative of the U of A International Students' Organization.

Addressing the Commission of Inquiry on Canadian University Education 8 November, Martine Lunke told Commission Chair Stuart Smith that differential fees should be abolished. These fees, she said, favor students from wealthier families and effectively close the door on students from poorer countries.

This selectivity on the basis of wealth decreases the numbers of foreign students studying at Canadian universities and flies in the face of principles of reciprocity, she said, adding that very few universities in other countries impose differential fees.

Lunke urged the Commission to address foreign students' eligibility regarding funding sources and tax provisions normally available to Canadian students. She said employment restrictions also cause foreign students undue hardships while studying in Canada.

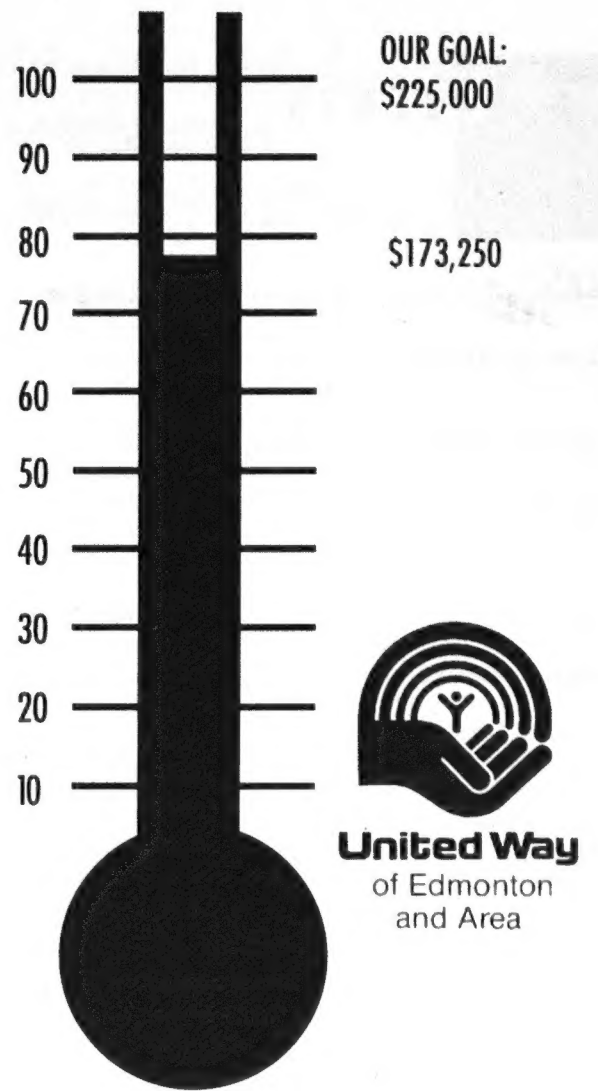
Another point she raised was that Canadian universities should establish more student exchange programs with other universities around the world.

Dr Smith said the Commission would certainly look into the issue of employment restrictions, but he cautioned, "the differential fee would likely be abolished [by provincial governments] with the greatest of reluctance."

He noted that there are now some extremely high percentages of foreign students enrolled in graduate programs at Canadian universities because of the universities' inability to attract Canadian students. He added that an increasingly important trend would be the internationalization of universities.

A brief submitted by the University's International Centre argued that Canada needs to follow Japanese, European Community and Australian examples. These countries, the brief pointed out, are aggressively supporting and promoting student mobility policies.

"The priority of international education exchange must be elevated to a national consciousness," the brief stated. "Many Canadians still question the value of having foreign students on campus."



Traffic safety research of the essence

The incidence of fatalities and injuries in Alberta has proportions that deserve everybody's attention.

Aside from drinking and driving, that in 1987 was connected to only 12 percent of the injury-causing accidents in Alberta, very little else has received public attention, research work and provincial action.

Drivers' errors account for 97 percent of the so-called traffic "accidents", a term that tends to perpetuate the myth of their inevitability. In 1987, these errors cost Edmonton \$55 million in property damage and left 6,702 people injured and 37 dead. People under 35 years of age have twice as much risk of dying in a car "accident" than of dying of heart disease and cancer combined.

The human costs of "accidents" cannot be quantified, but the material costs do not end with the replacement costs of vehicles and other property, but extend to the costs of health care and police and justice systems, and result in increased auto insurance premiums, health care premiums and provincial taxes.

Drivers' errors relate to many areas, but most of these errors are connected to careless or dangerous driving, an attitude most present in young males that is promoted by values of our society that are widely promoted by mass media, and that praise courage and the playing with danger.

The development of a holistic confrontation with the problem of traffic safety and driver behavior with a view to having an impact on the present reality would require the work of several specialists, to possibly develop work in the following areas:

- 1) educational and instructional material for high school students;
- 2) a persuasive mass media campaign aimed primarily at male drivers in the 19 to 24 age range;
- 3) an information campaign aimed at all drivers, providing details about car performance;
- 4) improved materials for drivers' training courses and improved guidelines for the granting of drivers' licenses;
- 5) a comparative study of our legislation and that of countries with higher (USA - one accident for every 11 people per year) and lower (Sweden - one accident for every 500 people per year) accident rates, in order to eventually propose changes to our system;
- 6) a study of visibility of vehicles and other traffic markers, with a view to making recommendations regarding light systems and reflective surfaces.

Researchers with interest in these areas or other areas related to traffic safety who would like to form a research team are invited to contact Jorge Frascara, Department of Art and Design, 3-98 Fine Arts Building.

EVENTS

TALKS

CLOTHING AND TEXTILES

22 November, 1 pm
Nicholette Prince, "Early Fur Trade Dream of the Coast Salish and Carrier Women." 131 Home Economics Building.
29 November, 1 pm
Nancy Omar, "Costume in Western Kenya." 131 Home Economics Building.

CHEMICAL ENGINEERING

22 November, 3 pm
Piotr Zielinski, "Application of IR Spectroscopy to Studies of Polymerization of Ethylene." E342 Chemical-Mineral Engineering Building.
29 November, 3 pm
John Langston, "Engineers and Entrepreneurs in the Middle Ages." E342 Chemical-Mineral Engineering Building.

ANTHROPOLOGY

22 November, 3:30 pm
Regina Darnell, Department of Anthropology, University of Western Ontario, "Consequences of the Symbolic Approach to Culture." 14-6 Tory Building.
27 November, 3:30 pm
Susan Pfeiffer, Department of Human Biology and Kinesiology, University of Guelph, "Interpreting Robusticity in the Evolution of *Homo Sapiens*." 14-6 Tory Building.

MUSIC

22 November, 3:30 pm
Violet Archer, "Folk Song as Creative Stimulus: Evocations for Two Pianos and Orchestra." 2-32 Fine Arts Building.

COMPARATIVE LITERATURE

22 November, 3:30 pm
Paisley Livingston, Department of English, McGill University, "The Rationality of Fiction: The Pragmatics of Poe's Mesmeric Tales." 5-20 Humanities Centre.
23 November, 3 pm
Professor Livingston, "Narrative Characterization and Models of Agency." Senate Chamber, Arts Building.

SLAVIC AND EAST EUROPEAN STUDIES

22 November, 3:30 pm
Larissa J Klein-Tumanov, "An Introduction to the Life and Works of Daniil Kharms, a Humorist and Absurdist Writer" (in simple Russian, accessible to most students). 436 Arts Building.
29 November, 3:30 pm
Peter A Rolland, "Emblems, Engravings, and *Icones* in Simeon Polotsky's Early Verse." 141 Arts Building.

ROMANCE LANGUAGES, ENGLISH AND COMPARATIVE LITERATURE

Paolo Valesio, professor, Italian Linguistics and Literature, Yale University, will present the following series of lectures and seminars.
The following are the lectures under the general title "Rhetoric and Silence":
26 November, 4 pm
"A Silentiary Experience: *The Little Flowers of Saint Francis*." 5-20 Humanities Centre.
28 November, 4 pm
"The Question of Silence Between Theology and Literature." 5-20 Humanities Centre.

The following are the seminars under the general title "Italian Symbolism and Futurism in Their European Context":
22 November, 4 pm
"Gabriele D'Annunzio and Italian Symbolism." Senate Chamber, Arts Building.
30 November, 4 pm
"Filippo Tommaso Marinetti and Italian Futurism." Senate Chamber, Arts Building.

ENTOMOLOGY

22 November, 4 pm
Brian Brown, "Ant Killers and Slug Suckers: Natural History and Reclassification of the Phoridae (Diptera)." TB-W1 Tory Breezeway.
29 November, 4 pm
RE Leech, "New Records for Fly Parasitoids (Acroceridae) in Spiders." TB-W1 Tory Breezeway.

THIRD ANNUAL JONES MEMORIAL LECTURE IN DEAFNESS

22 November, 7:30 pm
Roger Carver, executive director, Total Communication Deaf Children's Society of British Columbia, "Deafness and Literacy: The Hidden Agenda. A Hobson's Choice." 2-115 Education North.

ACCOUNTING

23 November, 2 pm
Leslie Oakes, Rutgers University, "Evidence of Income Smoothing in Not for Profit Organizations." B-09 Business Building.
30 November, 2 pm
Vaughan Radcliffe, "The UK Accountancy Profession and the Financial Services Act 1986: An Event in Regulatory Change." B-09 Business Building.

PHYSICS

23 November, 2 pm
S Murphree, University of Calgary, "The Earth's Magnetosphere." V-129 Physics Building.
30 November, 2 pm
F Cooperstock, University of Victoria, "Relativity." V-129 Physics Building.

ZOOLOGY

23 November, 3:30 pm
Lawrence Wang, "Traditional Chinese Remedies: Fact or Fiction." M-149 Biological Sciences Centre.
30 November, 3:30 pm
Mary Stevenson, Montreal General Hospital, Research Institute, "Acquired Immunity to *Plasmodium Chabaudi* AS: Contribution of T Cells and Macrophages." M-149 Biological Sciences Centre.

GEOGRAPHY

23 November, 3:30 pm
Derald Smith, University of Calgary, "Glacial Lake McConnell, Paleogeography of a Late Pleistocene Mega-Lake, Mackenzie Basin." 3-36 Tory Building
29 November, 3:30 pm
Bill Howland, Northern Studies Program, Middlebury College, Vermont, "Remote Sensing of Arctic Terrain and Vegetation: SPOT Image Analysis." 3-36 Tory Building.
30 November, 3:30 pm
Derek Gregory, University of British Columbia, "Dream of Liberty? Geography and Post Modernity." 3-36 Tory Building.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

23 November, 7:30 pm
Frank Sysyn, "Ukrainian Historical Research: Tasks and Perspectives." Heritage Lounge, Athabasca Hall.

LAW

24 November, 9:30 am
Saturday Morning at the Law School—"Wills and Estates." Information: 492-3115. Law Centre.

INTERNATIONAL CENTRE

25 November, 1:30 pm
Wanjiku Kironyo, director, Kenyan agency Social, Economic Development Services, and project director, Mathare Valley Self-Sufficiency Scheme, "Global Awareness Programs." 172 HUB International.
27 November, 12:30 pm
Fred Wolfe, "Militarism and its Effects on Food Production and Distribution." 172 HUB International.
28 November, noon
Daniel de Guzman, "Waging Peace in the Philippines." 172 HUB International.
29 November, 7 pm
"Weaving the 'Peaces' Together"—information, videos, guests and experiential learning. 172 HUB International.

FAMILY STUDIES

26 November, 2 pm
Carol Morgaine, "A Phenomenological Approach to Transforming Practice in Early Childhood and Family Life Education." 357 Assiniboia Hall.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

27 November, 4 pm
David A Begg, associate professor, Department of Anatomy and Cellular Biology, Harvard Medical School, "Actin, Spectrin, and the Assembly of the Cortical Cytoskeleton During Fertilization and Early Embryogenesis in the Sea Urchin." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

HISTORY

28 November, 3 pm
Jennifer Jay, "Prefaces and Jottings on Women in Thirteenth-Century China." 1-9 Business Building.
30 November, 3 pm
John English, University of Waterloo, "Lester Pearson, Bilingualism, Multiculturalism and the Decline of the British Canadian Tradition."
(Volume I of Dr English's biography of Lester Pearson has won the CHA Macdonald Prize.) 2-58 Tory Building.

CONTEMPORARY CULTURAL ISSUES

28 November, 4 pm
Margaret Ann Armour, "The Culture of Science: How it Influences One Woman's Thought." L-3 Humanities Centre.

REHABILITATION MEDICINE

29 November, 11:30 am
Antoine Helewa, chair, Department of Physical Therapy, University of Western Ontario, "Randomized Clinical Trials: Assessing the Effects of Home Physical and Occupational Therapy." 4101 University Hospital Education and Development Centre.

SOIL SCIENCE

29 November, 12:30 pm
Doug Maynard, project leader, Environmental Effects Northern Forestry Centre, Forestry Canada, "Macronutrient Dynamics in a Soil-Young Aspen System Following Herbicide Application." 2-36 Earth Sciences Building.
6 December, 12:30 pm
Yongsheng Feng, "Activation Energy as a Measure of Plant Response to Temperature and Water Stress." 2-36 Earth Sciences Building.

LIMNOLOGY AND FISHERIES DISCUSSION GROUP

29 November, 12:30 pm
Dave Schindler, "The Role of DOC in Synchronizing Aquatic Chemical Cycles." M-149 Biological Sciences Centre.

6 December, 12:30 pm
Peter Aku, "The Impact of Hypolimnetic Aeration on the Vertical Distribution and Growth Rate of Cisco in Amisk Lake, Alberta." M-149 Biological Sciences Centre.

ENGLISH

29 November, 3:30 pm
David Gay, "'A Firm and Decided Hand': Gesture and Judgment in Blake's *Descriptive Catalogue*." L-3 Humanities Centre.

UNIVERSITY NUCLEAR DISARMAMENT ORGANIZATION

30 November, 3 pm
Bohdan Krawchenko, "USSR: Prospects for Peace." TB-W1 Tory Breezeway.

NURSING

3 December, 12:10
B O'Brien, "Nausea and Vomiting During Pregnancy." 6-101 Clinical Sciences Building.

COMPUTING SCIENCE

3 December, 3:30 pm
Mark Green, "Virtual Reality User Interfaces: Tools and Techniques." 619 General Services Building.

ARTS

EXHIBITIONS

MCMULLEN GALLERY

Until 30 November
"Traditional Arts of Japan"—selected examples of traditional art, craft and Japanese culture. Call for Gallery hours, 492-8428 or 492-4211. Walter C Mackenzie Health Sciences Centre.

FAB GALLERY

Until 9 December
"Allen Ball paintings"—the final visual presentation in partial fulfillment of the requirements for the MVA. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday and Monday, closed. 1-1 Fine Arts Building.

MYER HOROWITZ THEATRE

23 November, 7 and 10 pm
"Spirit of the West."
24 November, 8 pm
"Holly Near and Judy Small."
28 November, 8 pm
Edmonton Chamber Music Society presents, "Musica Antiqua Koln." Information: 433-4532.
30 November, 8 pm
"Days of Thunder."

MUSIC

23 November, 8 pm
Faculty Recital—Marnie Giesbrecht, organist.
24 November, 8 pm
Opera Workshop Performance—Alan Ord, director.
30 November, 8 pm
Concert Choir and Madrigal Singers—Leonard Ratzlaff and Debra Ollikkala, directors.*
1 December, 8 pm
Chamber Orchestra Concert—Norman Nelson, director.*
2 December, 3 pm
Concert Band Concert—William H Street, director.*
2 December, 8 pm
Concert Choir and Madrigal Singers—Leonard Ratzlaff and Debra Ollikkala, directors.*

3 December, 8 pm
Stage Bands I and II in Concert—Neil Corlett and Derek Stoll, directors.*
5 and 6 December, 8 pm
Student Chamber Music Performances.
All performances held in Convocation Hall.
*Tickets: \$5/adults; \$3/students and seniors.

FILMS

Germanic Languages
27 November, 7:15 pm
"Der Findling" (1967). German with English subtitles. 141 Arts Building.

SPORTS

23 November, 6:30 pm
Basketball—Pandas vs UBC
23 November, 7:30 pm
Hockey—Bears vs University of Manitoba
23 November, 8:15 pm
Basketball—Bears vs UBC
24 November, 7:30 pm
Hockey—Bears vs University of Manitoba
24 November, 6:30 pm
Basketball—Pandas vs UBC
24 November, 8:15 pm
Basketball—Bears vs UBC
30 November, 6:30 pm
Basketball—Pandas vs University of Calgary
30 November, 8:15 pm
Basketball—Bears vs University of Calgary
1 December, 6:30 pm
Basketball—Pandas vs University of Calgary
1 December, 8:15 pm
Basketball—Bears vs University of Calgary

SEARCH FOR NEW CANADIAN STUDIES CHAIR

The Canadian Studies Committee in the Faculty of Arts seeks a new Chair for the Committee and of the Canadian Studies Program, effective 1 July 1991. This position, open to all tenured members of the Faculty of Arts, normally has a term of three years.

Canadian Studies is a full degree program of interdisciplinary studies with 35 students currently enrolled. Duties include calling and conducting full Committee meetings at intervals throughout the academic year; preparing budgets; representing the Program in university councils and to the public; assisting in the organization of activities such as scholarly conferences and fundraising projects like the proposed Chair in Canadian Studies; performing routine administration; being available to students; and directing the ongoing development of the Program, especially in curriculum.

Suggestions of suitable candidates for the position, or self-nominations, should be sent to the Chair of the Search Committee, Professor RA Robberecht, Department of Comparative Literature, 347 Arts Building (492-5833). Deadline for submission of applications is 30 November.

'Bienvenu, Monsieur le Président'

At the invitation of François Bujon de l'Estang, France's ambassador to Canada, and the Ministry of Foreign Affairs, President Paul Davenport recently visited a number of research centres and universities in France. President Davenport was the only university leader/academic to be invited to this year's distinguished visitors program.

Throughout his week-long stay, President Davenport found that the French government is eager to increase its academic and business contacts with Western Canada.

"Our [University of Alberta] researchers in many fields of study are already very well known to their French colleagues," President Davenport said. "We at the University of Alberta have every interest in a further strengthening of those ties."

The President's visit began in Paris at Université de Paris III (Sorbonne). At one point, he met Jean-Michel Lacroix, a coeditor of *Canadian Society and Culture in Times of Economic Depression*, Volume VIII, 1987. One of the articles in the book is "Hard Times and EPF: The Funding of Health and Post-Secondary Education since 1977", by Paul Davenport. The two men reviewed the various exchanges currently administered by the International Association for Canadian Studies.

President Davenport also attended a reception, held at Palais du Luxembourg, in honor of the 40th anniversary of the National France-Canada Association.

Another scholar on the scene was Guy Lecomte of Université Dijon, coauthor with Jean-Marcel Duciaume (Romance Languages) of *Nipsya*, a critical edition of Georges Bugnet's novel which was published in 1924. Bugnet left France at the age of 26 to homestead in Alberta. *Nipsya* is set in an area northwest of Edmonton in the early part of the 20th century.

"Lecomte referred with great pride to the exchange between Université Dijon and the Department of Romance Languages which annually sends a limited number of undergraduate students from France to Alberta and vice versa," President Davenport said.

Also on the itinerary were the telecommunications research centre at Grenoble, Université de Paris Sud (Orsay), Centre National de la recherche scientifique, Institut français du pétrole and Université de Montpellier II.

France's Ministry of Research and Technology has made an impressive commitment to pure research, President Davenport discovered. The French govern-

ment has invested heavily in many centres of research, and facilities, equipment and libraries are, in President Davenport's words, "extremely good."

"Universities across Europe," he observes, "are greatly strengthening their contacts in anticipation of the growing involvement toward economic and political integration."

Another facet of the tour brought President Davenport in contact with Claude T Charland, the Canadian ambassador to France. The strengthening of academic exchanges between the two nations was discussed.

Researchers with whom President Davenport met suggested a number of possible areas of cooperation with the University of Alberta.

"I hope researchers on both sides of the Atlantic will be following up on these possibilities in the months ahead."

"I have said many times that the University of Alberta has an international reputation in many fields of study. It was certainly a great pleasure to see that view confirmed with regard to academic researchers in France."

On his way to France, the President stopped in London and met about 60 University of Alberta alumni; Gail Korpan, President of the London Branch of the U of A Alumni Association; and Mary Clark Sheppard, daughter of Karl Clark, the pioneer researcher in the oil sands of northern Alberta.

AWARD OPPORTUNITIES

AILEEN CHARLOTTE DRISCOLL SCHOLARSHIP

Field of study: French language. *Value:* \$2,000. *Number:* One. *Conditions:* Awarded annually to a deserving honors student graduating with a BEd to allow the recipient to continue his or her studies of French in France. A condition of the award is that each recipient will subsequently teach at least one year in the Province of Alberta. *Donor:* Endowed by the late Aileen Charlotte Driscoll of Edmonton. *Apply:* Letter to Director of Student Awards by 1 December of the year prior to when the award is to be made.

ONTARIO LEGISLATURE INTERNSHIP PROGRAMME

Applications are being accepted from graduating political science students for the Ontario Legislature Internship Program. Limited information about the program is available at the Office of Student Awards, 252 Athabasca Hall, or at the Department of Political Science Office. Application forms and further details may be obtained from: Graham White, Director, Ontario Legislature Internship Programme, c/o Department of Political Science, Erindale College, University of Toronto, Mississauga, Ontario L5L 1C6. Telephone (416) 828-5229.

TERRY FOX HUMANITARIAN AWARD PROGRAM

Information about eligibility, selection criteria and application procedures is available at the Office of Student Awards. The deadline for submission of applications, complete with supporting documents, is 1 February 1991. Recipients may hold this award for up to four years or until a first degree is obtained. A limited number of application forms may be obtained from Student Awards, or by writing to: Terry Fox Humanitarian Award Program, 711 151 Sparks Street, Ottawa, Ontario K1P 5E3.

THE CANADA COUNCIL — VISITING FOREIGN ARTISTS

This program is intended to support visits to Canadian cultural organizations by distinguished foreign artists to teach creative or performing arts. Applications must be submitted to the Canada Council by 15 December 1990. Information and application forms are available at the Office of Student Awards.

FELLOWSHIPS FOR GRADUATE STUDY — LONDON, 1991-92

The London House Association of Canada invites applications for fellowships to support graduate study at the University of London. Application is by letter. Candidates are asked to outline their proposed study in England, their academic or professional careers to date, and their interests. In addition, applicants should arrange to have their transcripts and three letters of reference sent to the address below by 15 December 1990: London House Association of Canada, Mr Jonathan Fitzgerald, Chairman, c/o RBC Dominion Securities Inc, Commerce Court East, 5th Floor, Toronto, Ontario M5L 1A7.

NATO FELLOWSHIPS (NONSCIENTIFIC)

Candidates are invited to submit subjects of research within the following areas: internal and external problems arising for Western security; public perceptions of the Atlantic Alliance and of the Soviet threat; analysis of the Alliance's role in the development of more stable, peaceful, and friendly international relations; the European contribution to NATO; NATO strategy and emerging technologies. The deadline for submissions is 31 December 1990. Application forms and programs can be obtained on request from: Royal Society of Canada, PO Box 9734, Ottawa, Ontario K1G 5J4.

ENVIRONMENTAL PUBLICATION AWARDS

Articles submitted for consideration for this award must be the result of original graduate research and must have been either published or accepted for publication in a major refereed journal during the year preceding this annual announcement. Application forms may be obtained from: Environmental Publication Award, National Wildlife Federation, 140 Sixteenth Street, NW, Washington, DC 20036-2266. Telephone (703) 790-4484.

President's Advisory Committee on Community Affairs

At the 24 September meeting of General Faculties Council, President Davenport announced he would be establishing a President's committee to advise on matters relating to the University's relation with the larger community and to establish and promote dialogue about the University's academic aspirations and role.

The President's Advisory Committee on Community Affairs is composed of the following members:

- President, as Chair
- Chancellor
- Chair of the Board of Governors
- Vice-President (Development and Community Affairs)
- Director of Public Affairs
- Director of Alumni Affairs
- Two members of the academic staff elected by GFC
- One student elected by GFC
- One representative from among the public members of the Senate, appointed by the Senate
- One representative from among the public members of the Board of Governors, appointed by the Board of Governors
- Three representatives from outside the University appointed by the President, Chancellor, and Chair of the Board

The GFC Nominating committee invites nominations for the three (3) members (2 academic staff and 1 student) who will be elected by GFC. Nominations or expressions of interest should be accompanied by a *curriculum vitae* and be directed to: Mary Delane, Coordinator, GFC Nominating Committee, 2-5 University Hall (492-4715). The deadline for receiving nominations is *Tuesday, 4 December*.

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 16 November 1990. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in *PSSR*.

Positions available as of 16 November, 1990.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the new classification system and pay plan.

SENIOR FINANCIAL RECORDS CLERK, Grade 4, (Term to 28 June 1991), Office of the Comptroller, (\$1,633 - \$2,013)

SENIOR FINANCIAL RECORDS CLERK, Grade 4, Housing and Food Services, (\$1,633 - \$2,013)

ADMINISTRATIVE CLERK, Grade 5, (Term to 19 November 1991), University Computing Systems (\$1,784 - \$2,210)

SECRETARY, Grade 5, Faculty of Business (Office of the Dean), (\$1,784 - \$2,210)

SECRETARY, Grade 5, Faculty of Business (Placement Services), (\$1,784 - \$2,210)

SYSTEMS CONTROL CLERK, Grade 5, Physical Plant - Administration, (\$1,784 - \$2,210)

ACCOUNTS CLERK, Grade 6 (Part-time), Drama, (\$1,171 - \$1,460 prorated)

BIOCHEMISTRY TECHNOLOGIST, Grade 7 (Part-time), Psychiatry, (\$1,062 - \$1,331 prorated)

ADMINISTRATIVE ASSISTANT, Grade 7 (40 hour week), Housing and Food Services, (\$2,624 - \$3,309)

ADMINISTRATIVE ASSISTANT, Grade 8, Faculty of Extension, (\$2,296 - \$2,895)

LABORATORY TECHNOLOGIST, Grade 8, Provincial Laboratory, (\$2,296 - \$2,895)

PROGRAMMER ANALYST (Communications), Grade 9, University Computing Systems, (\$2,484 - \$3,152)

TECHNOLOGIST, Grade 11, Civil Engineering, (\$2,867 - \$3,679)

The following positions retain salary rates in accordance with the old classification system and pay plan.

CLERK STENO II (Trust), Anatomy and Cell Biology, (\$1,350 - \$1,677)

CLERK STENO III (Half-time/Trust), Physiology, (\$752 - \$949 prorated)

CLERK STENO III (Trust), Medicine (Dermatology and Cutaneous Sciences), (\$1,505 - \$1,890)

TECHNICIAN I (Trust/Term to 31 March 1991) (Part-time), Oral Biology, (\$1,043 - \$1,340 prorated)

TECHNICIAN I (Trust), Pediatrics, (\$1,738 - \$2,234)

TECHNICIAN II (Trust/Term to August/1991) (Curatorial Assistant), Museums and Collections Services, (\$1,973 - \$2,537)

TECHNOLOGIST I, (Trust/Term to 1 June 1991), Applied Sciences in Medicine, (\$2,143 - \$2,765)

BIOCHEMISTRY TECHNOLOGIST I/II (Trust), Biochemistry, (\$2,143 - \$3,018)

BIOCHEMISTRY TECHNOLOGIST II (Trust), Biochemistry, (\$2,330 - \$3,018)

PROGRAMMER ANALYST II, (Trust/Term to 31 March, 1991), Computing Science, (\$2,537 - \$3,297)

ADS

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VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.

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SHARED ACCOMMODATION - House in Belgravia, near University. One room for self, \$250; two rooms, \$350. All utilities included. From 1 December. 434-0588, 492-0619.

RENT - Two bedroom suite in house. Quiet, renovated, near University. Suitable for professional. 433-1479.

SALE - Two storey and bungalows, walking distance to University. Ron Haddad, Metro City Realty, 454-7020.

HOUSE TO RENT - Millcreek, two bedrooms, finished basement, garage, large yard. References. Pets ok. 1 January, \$835/month. 9750 90 Avenue, 433-3262.

SALE - Grandview, upgraded, clean, 1,560', open beam bungalow. Fireplace, main floor laundry, new carpeting, double attached garage. Chris Tenove, 436-5250, 433-5664, Spencer Realty.

SALE - Lakefront, Wabamun, north shore, furnished cottage. Lot 100' x 207'. Chris Tenove, 436-5250, 433-5664, Spencer Realty.

FOR SALE - In Victoria, BC. Three bedroom home, five year old rancher. Central location, large landscaped lot, pleasant view, energy efficient. Many extra features. For information contact Ron Regan, (604) 477-7291.

SALE - South side, cityscape, California open, multilevel, semidetached overlooking river valley and downtown. Fireplace, jacuzzi, nanny suite. \$164,900. Joe Clare, Homelife/Allan Realty. 466-4663.

RENT/LEASE - Spacious, 1,730 square foot bungalow. Quiet, park like setting in prestigious Windsor Park. Available 1 December. \$1,950/month plus utilities. References required. Contact Mrs Boyd, 482-7696.

RENT - Old Scona charm, extra large lower suite. Attached garage. Responsible, mature, tenant(s), nonsmoking. Five appliances. No pets. Ideal location, near Saskatchewan Drive, 101 Street. 431-1421.

SALE - Near University, new, two bungalows: \$152,400 - 1,385'; two storey: \$169,900 - 1,900'. Quality built, three bedroom homes, front drive, double garage, oak finishings, more. Pat Mooney Realty, Garry Ferr, 424-9804.

ACCOMMODATIONS WANTED

PROFESSIONAL will housesit. References. Call Mark, 454-0634.

GOODS FOR SALE

THE EDMONTON BOOK STORE specializes in books for the University community. Quality books bought and sold every day; just a short walk from campus, 8530 109 Street. Call 433-1781.

ELLI AND PETER GRASSMUCK invite you to a Raku show and sale, Saturday and Sunday, 1-2 December from 12-6 pm, 10818 65 Avenue, 434-3206.

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